
Overview of Higher Education in Maryland

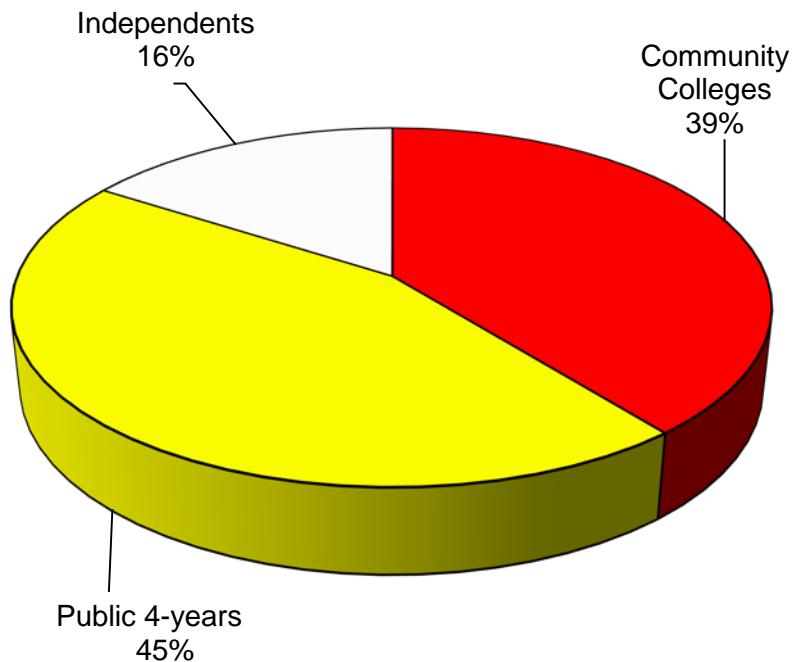
**Presentation to the
Maryland Economic Development and Business
Climate Commission**

**Department of Legislative Services
Office of Policy Analysis
Annapolis, Maryland**

October 2, 2015

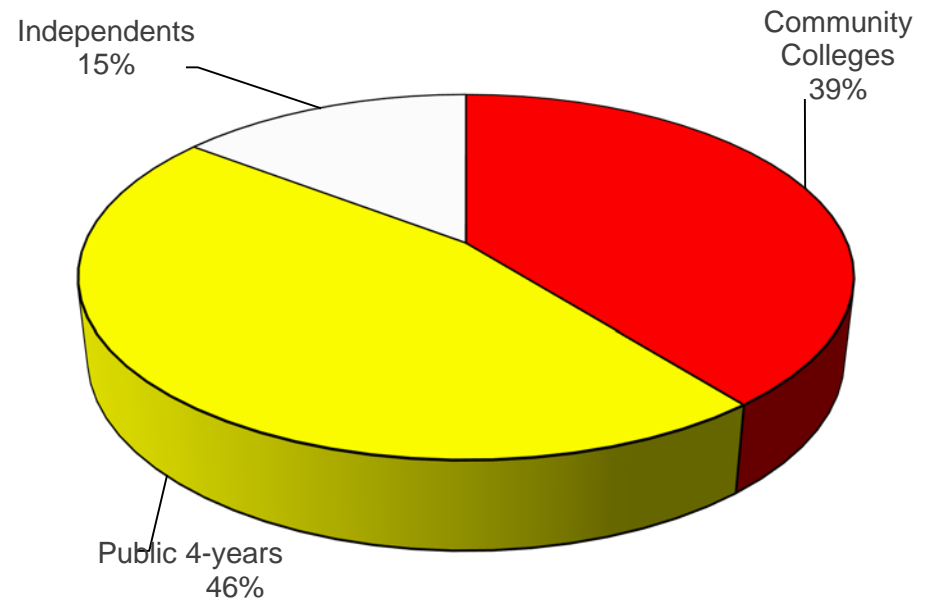
Total Headcount Undergraduate and Graduate Enrollment

Fiscal 2004



Total: 301,762

Fiscal 2014

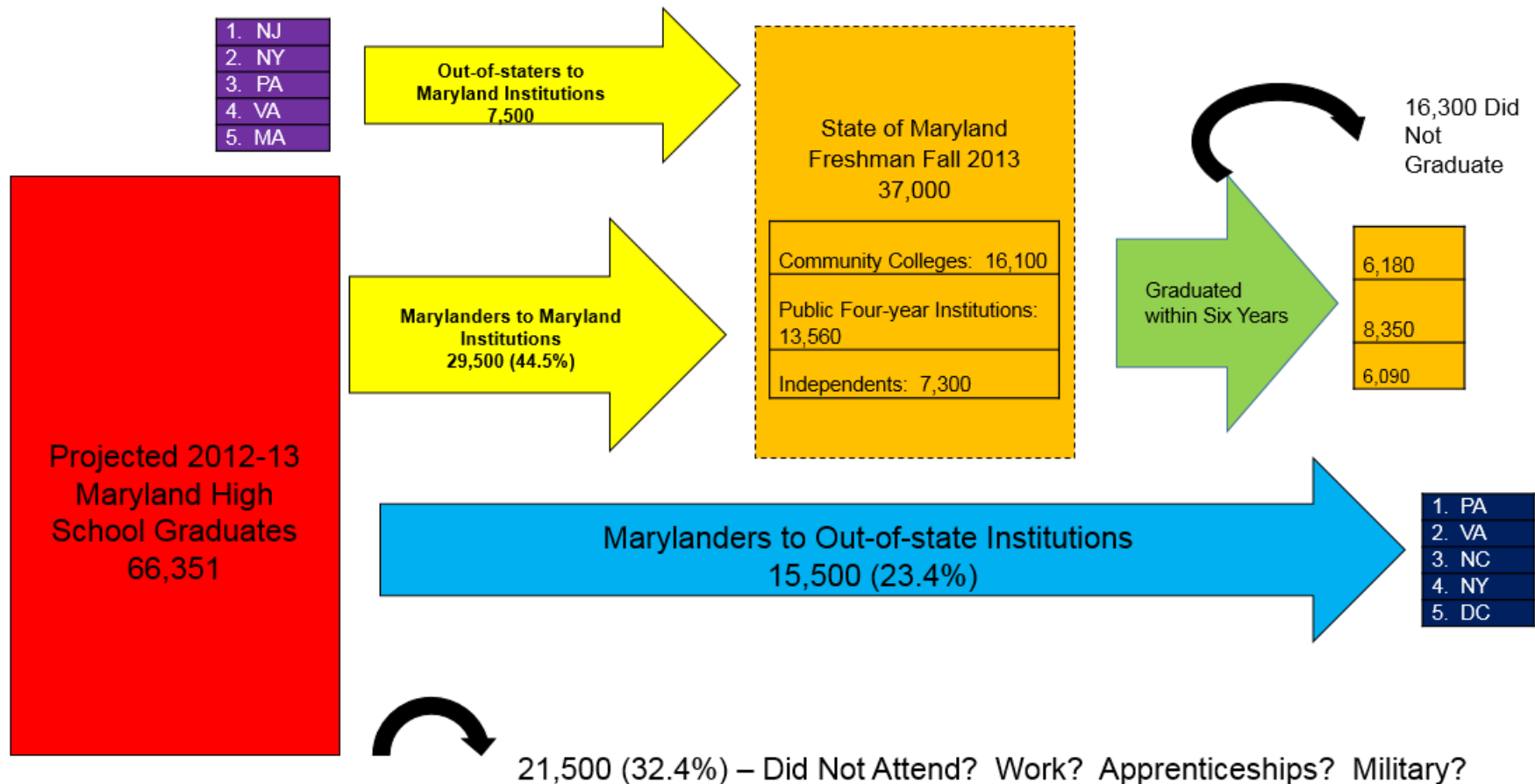


Total: 353,145

Note: Does not include enrollments in for-profit institutions.

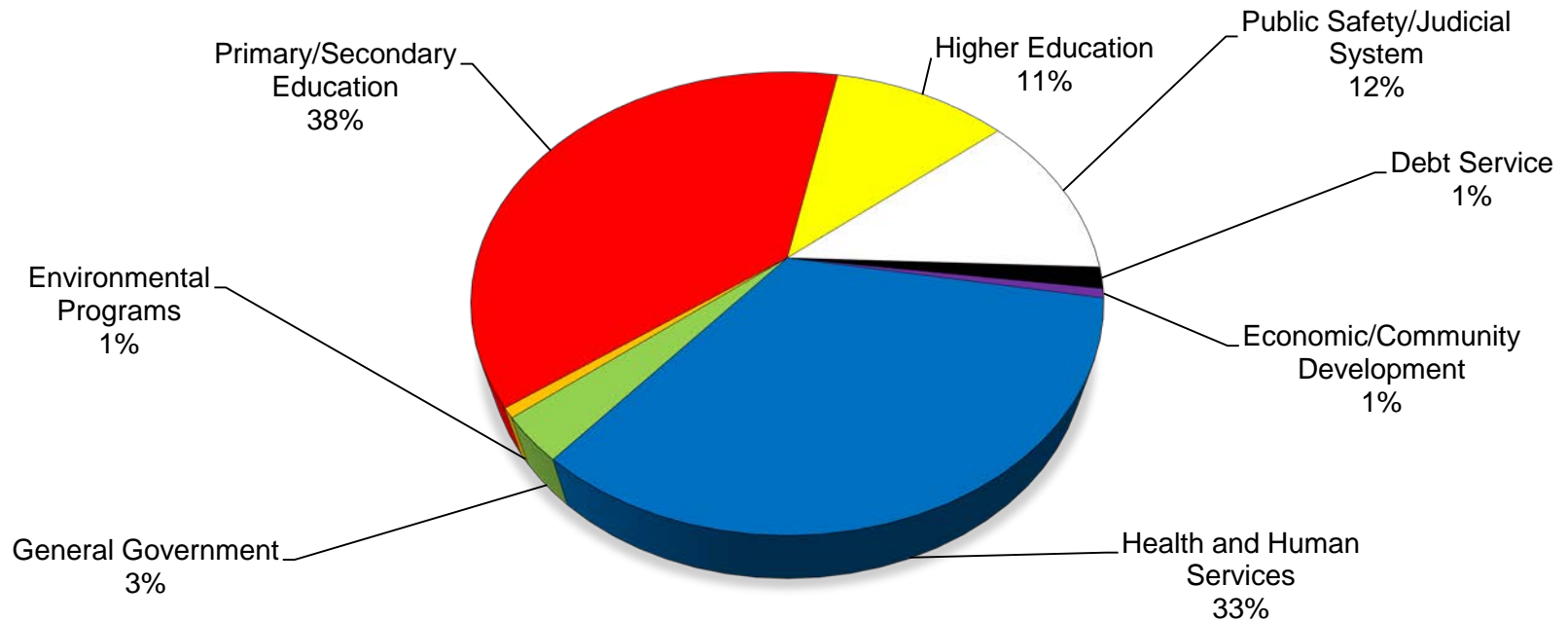
Source: Maryland Higher Education Commission

Postsecondary Pipeline



Higher Education's Share of State Budget

Fiscal 2016



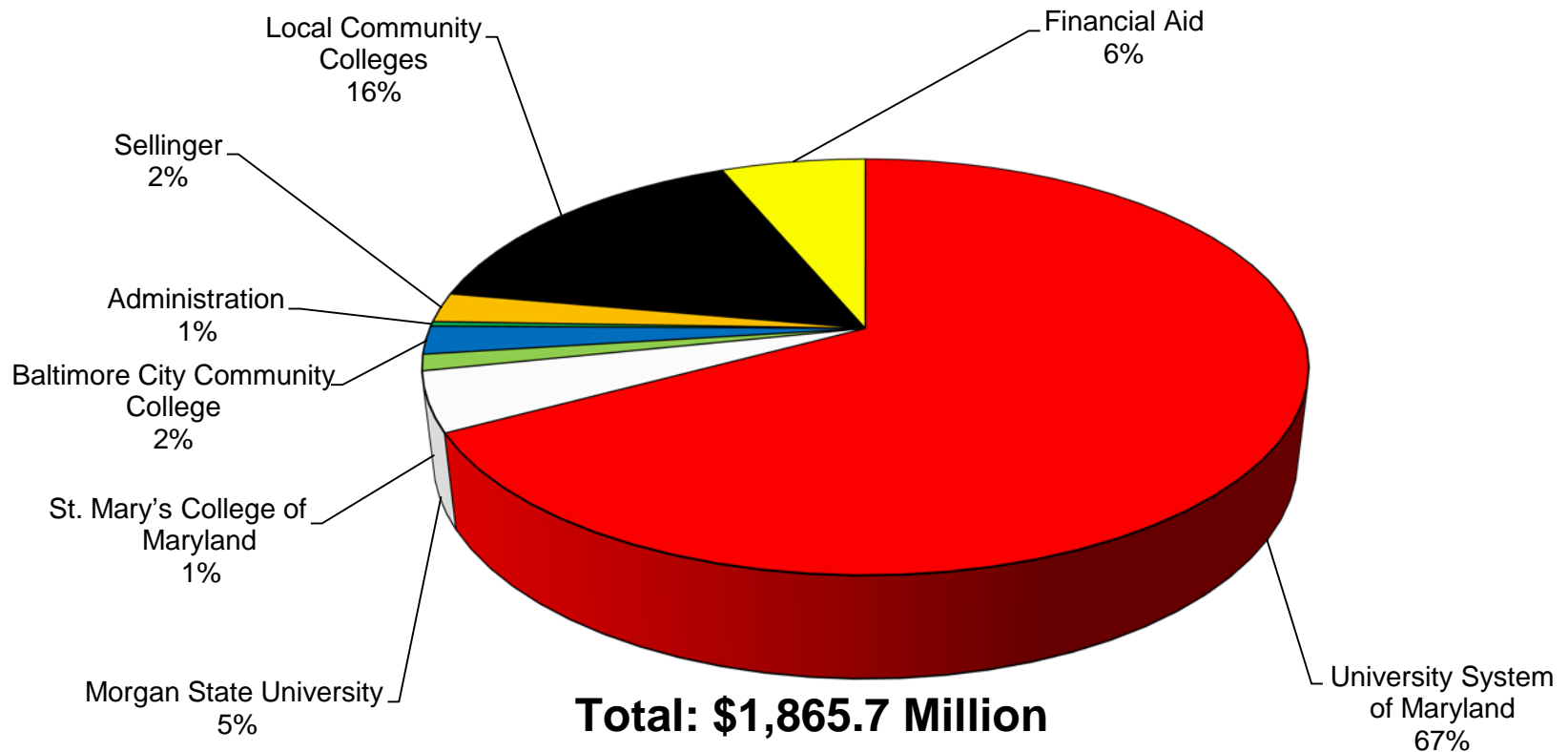
Total: \$16,861.9 Million

Note: Includes general funds, Education Trust Funds, and Higher Education Investment Funds.

Source: Department of Legislative Services

State Funding of Higher Education

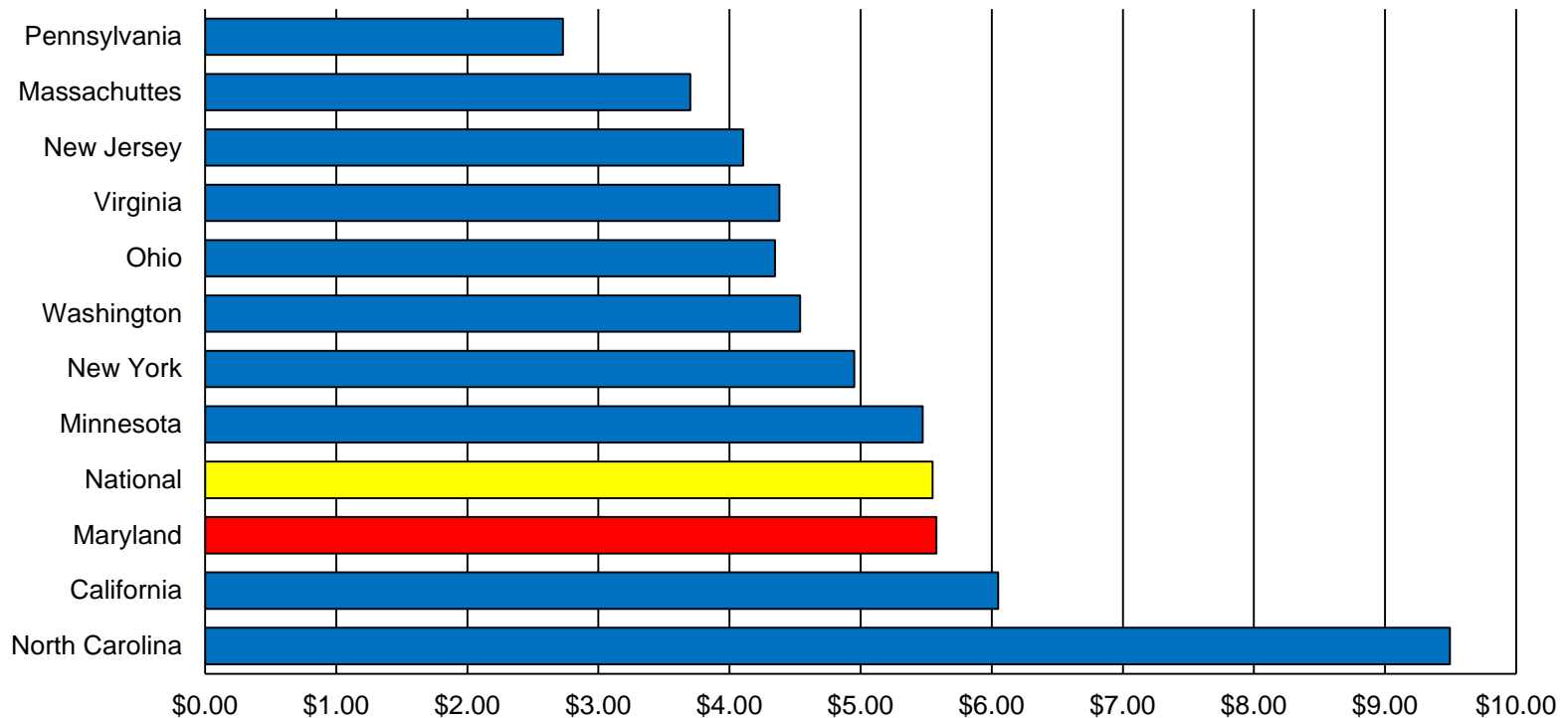
Fiscal 2016



Source: Department of Legislative Services

State Support for Higher Education Per \$1,000 in Personal Income

Competitor States Fiscal 2015



Source: *Grapevine*, www.grapevine.ilstu.edu

Higher Education Support Maryland vs. Competitor States

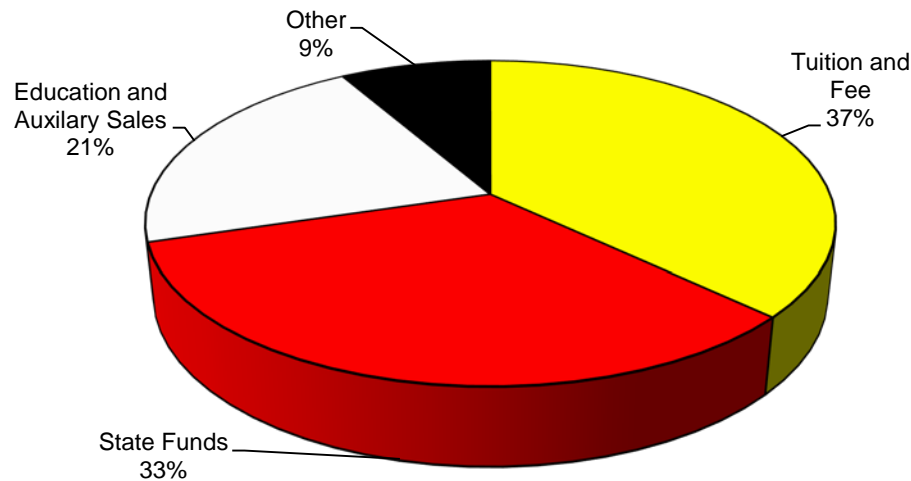
	<u>Fiscal 2014-2015</u>	<u>Without ARRA Fiscal 2010-2015</u>	<u>With ARRA Fiscal 2010-2015</u>
Maryland	6.7%	14.6%	14.6%
California	10.9%	16.0%	15.6%
Massachusetts	9.0%	49.5%	21.0%
Minnesota	3.7%	1.2%	-7.7%
New Jersey	4.0%	3.0%	-0.6%
New York	3.5%	9.6%	6.3%
North Carolina	3.0%	3.1%	-0.7%
Ohio	1.4%	6.9%	-6.3%
Pennsylvania	0.9%	-11.4%	-15.7%
Virginia	1.7%	4.9%	0.5%
Washington	0.6%	0.5%	-5.5%
Nationwide	5.2%	9.6%	3.4%

ARRA: American Reinvestment and Recovery Act

Source: *Grapevine*, www.grapevine.ilstu.edu

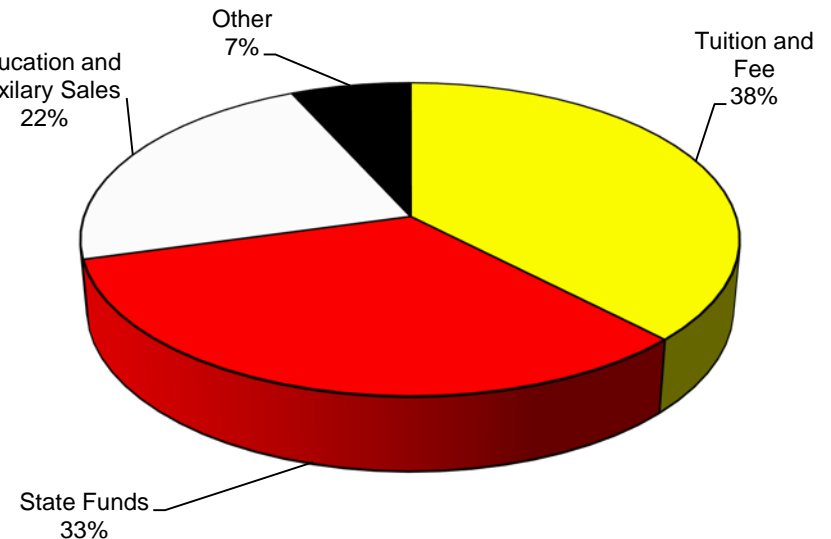
Maryland Public Four-year Total Unrestricted Funds

Fiscal 2004



Total: \$2,423.7 Million

Fiscal 2015

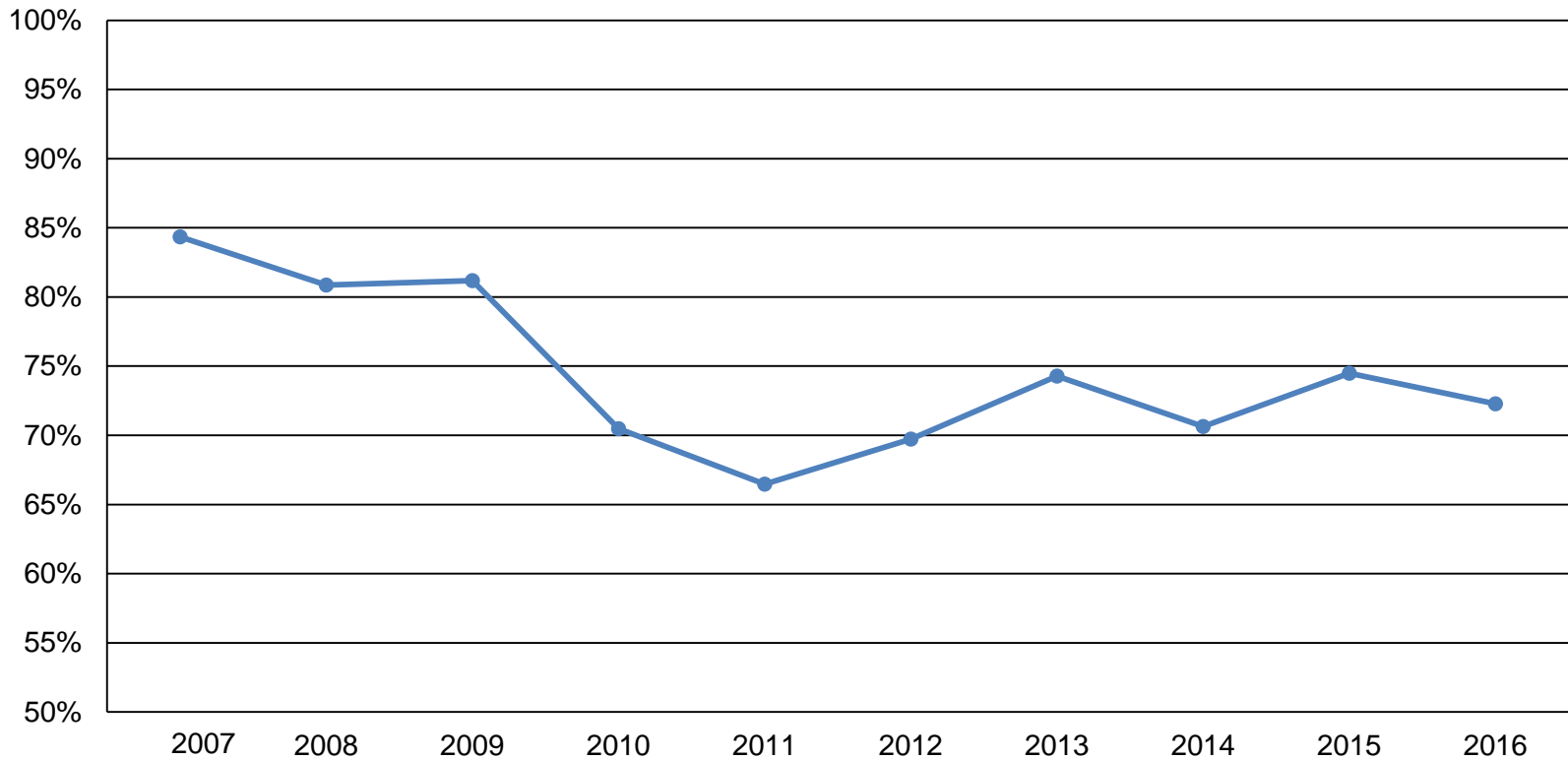


Total: \$4,122.4 Million

Source: Department of Legislative Services

Funding Guideline Attainment

Fiscal 2007-2016

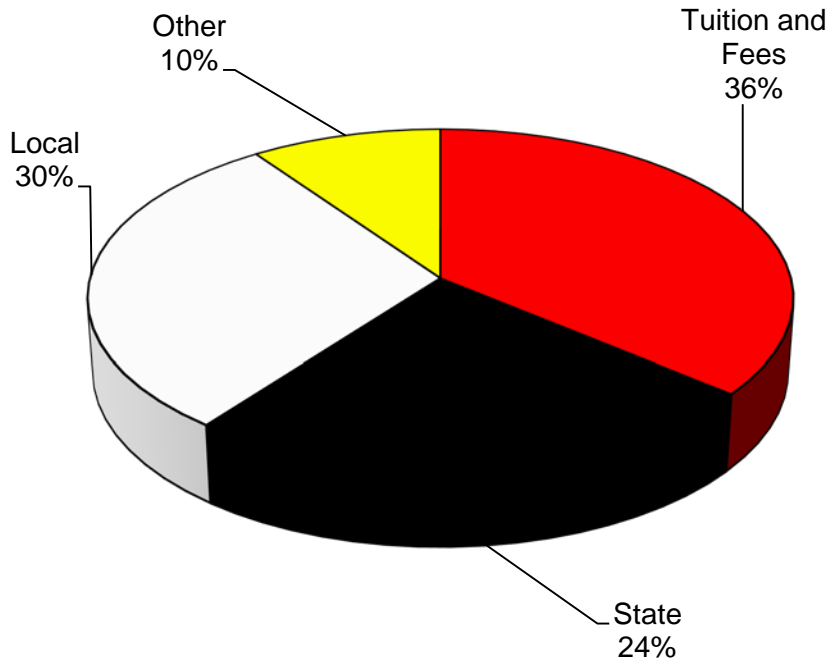


Note: Funding guidelines incorporate competitor states beginning in 2015.

Source: Maryland Higher Education Commission

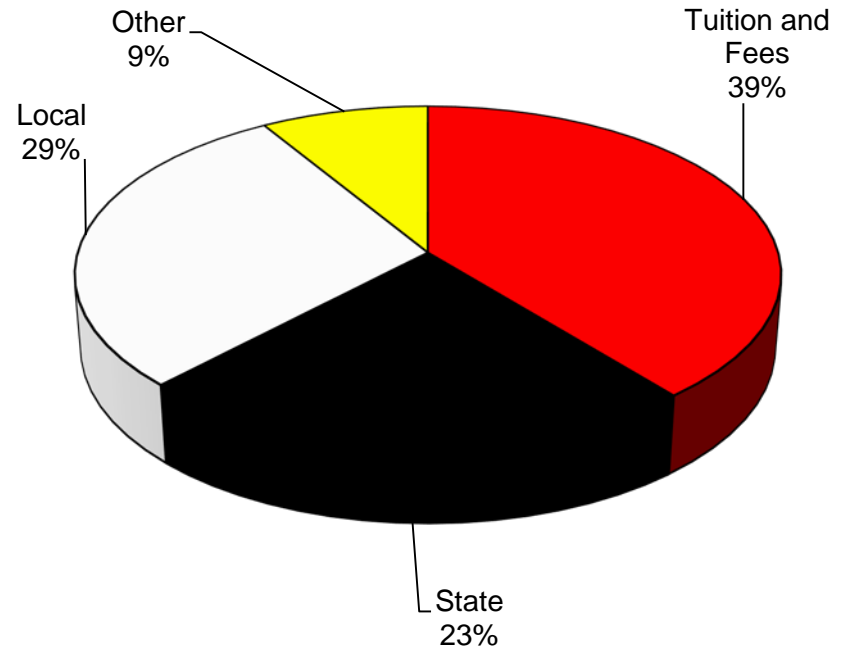
Maryland Community College Revenues

Fiscal 2004



Total: \$724.6 Million

Fiscal 2014



Total: \$1,131.7 Million

Source: Maryland Higher Education Commission

Maryland In-state Tuition and Fees Ranking

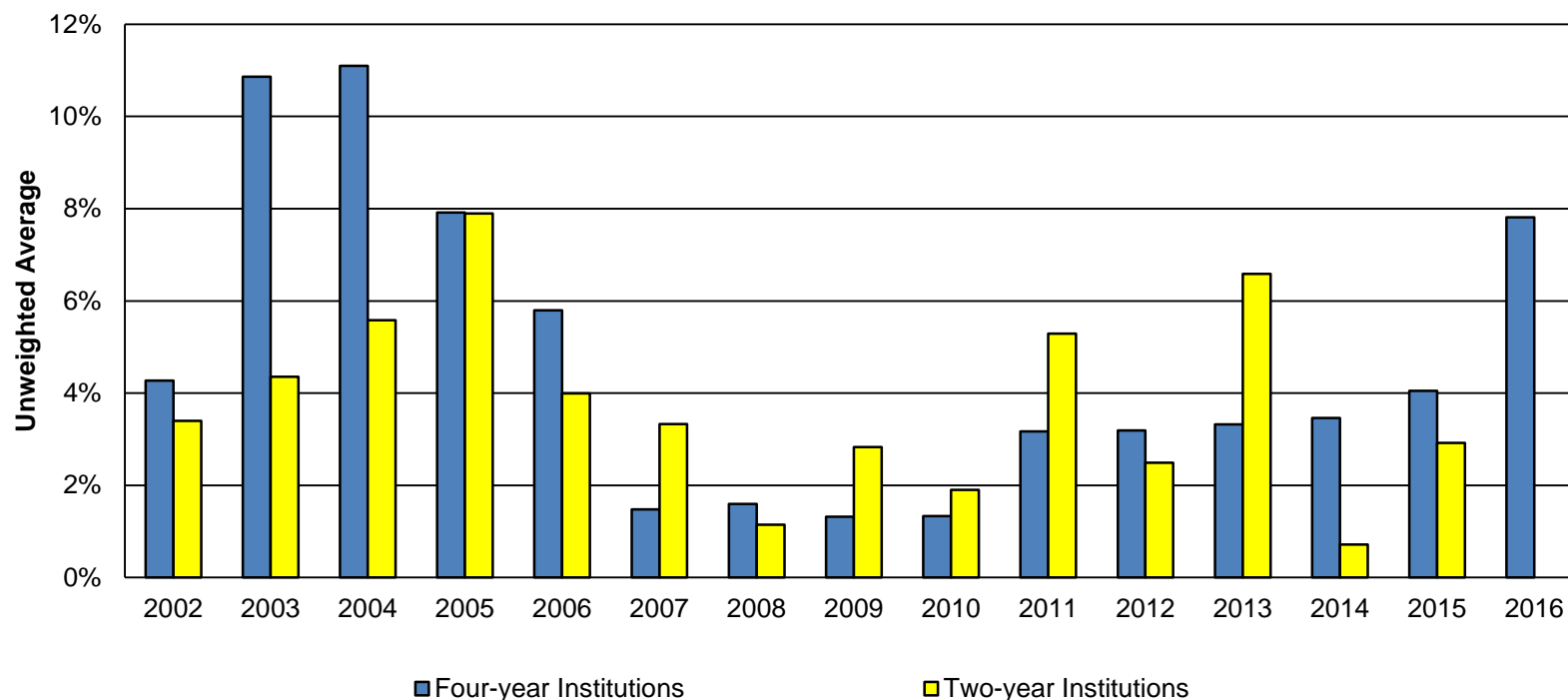
Public Four- and Two-year Institutions Fiscal 2005-2015

<u>Year</u>	<u>Four-year</u>	<u>Two-year</u>
2005	7	9
2006	8	10
2007	12	15
2008	14	13
2009	15	16
2010	17	16
2011	20	17
2012	26	19
2013	27	20
2014	27	19
2015	27	20

Source: The College Board

Percent Growth in Undergraduate Tuition and Fees at Maryland's Public Institutions

Fiscal 2002-2016

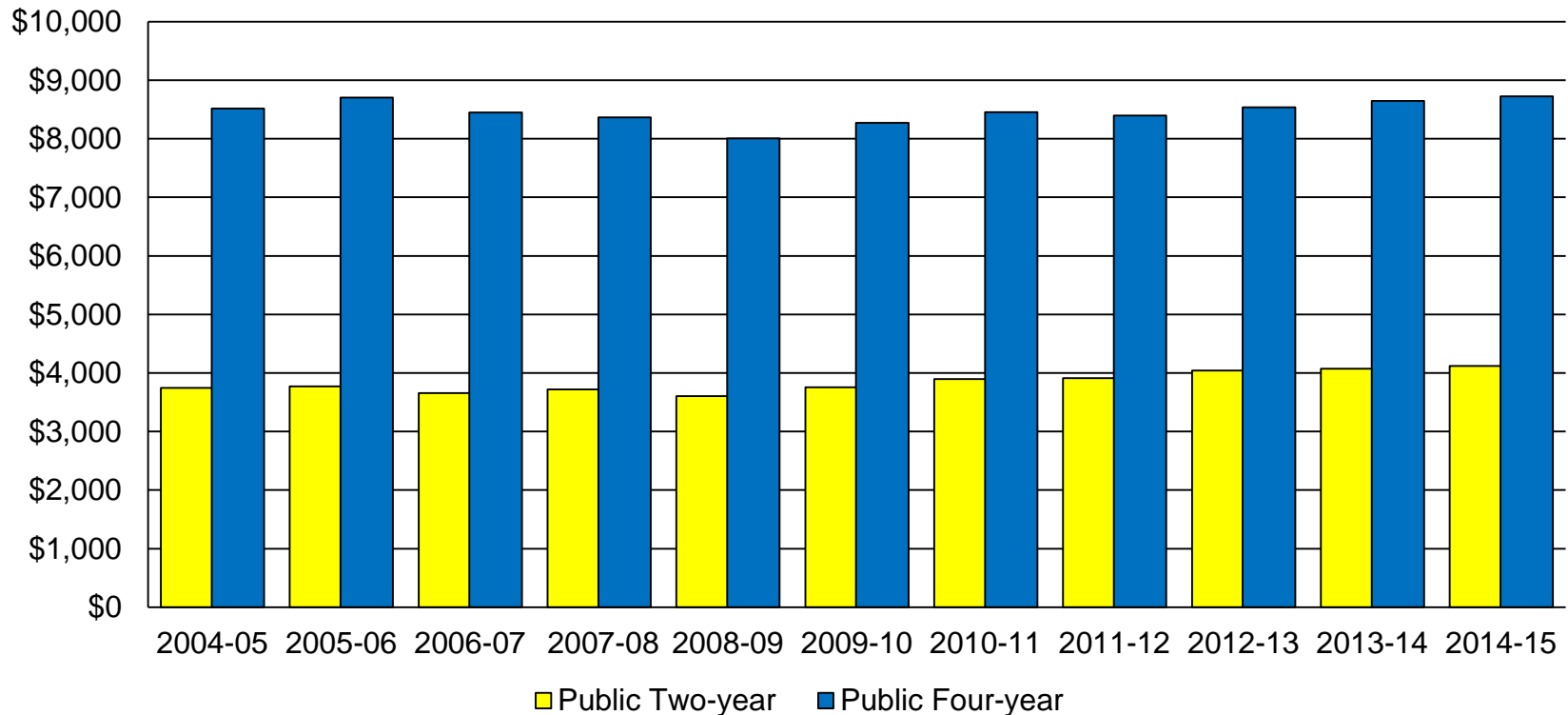


Note: Fiscal 2016 tuition and fee rates were not available for two-year institutions. Four-year institutions do not include St. Mary's College of Maryland.

Source: Maryland Higher Education Commission, Maryland Association of Community Colleges

Average Tuition and Fees at Maryland's Public Institutions

Fiscal 2005-2015

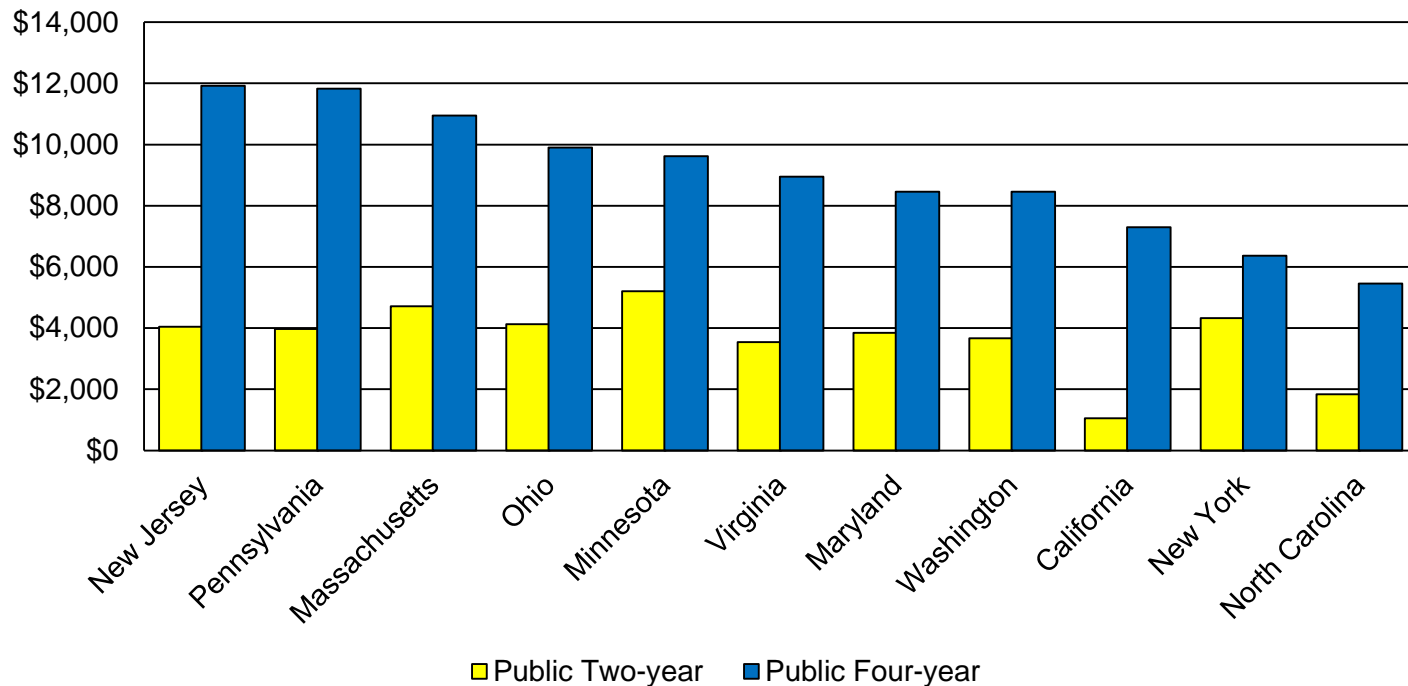


Note: Average tuition and fee prices are weighted by full-time enrollment.

Source: The College Board, Annual Survey of Colleges

Average Tuition and Fees of Public Institutions in Competitor States

Fiscal 2005-2015

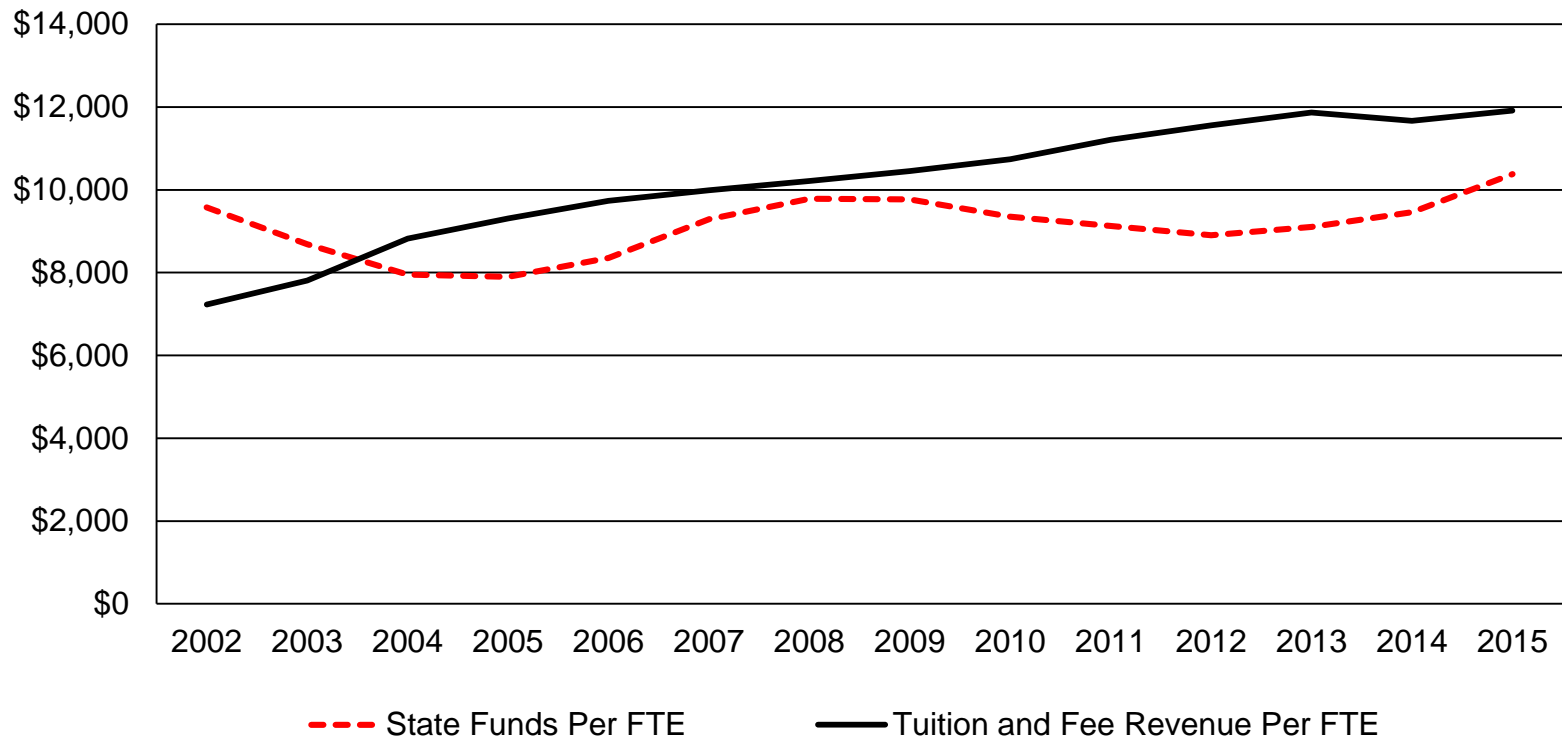


Note: Average tuition and fee prices are weighted by full-time enrollment. Data on individual states should be interpreted with caution because of the possible impact of reporting errors and missing data on states with small numbers of institutions.

Source: The College Board, Annual Survey of Colleges

Public Four-year Institution State and Tuition and Fee Revenues Per Full-time Equivalent (FTE)

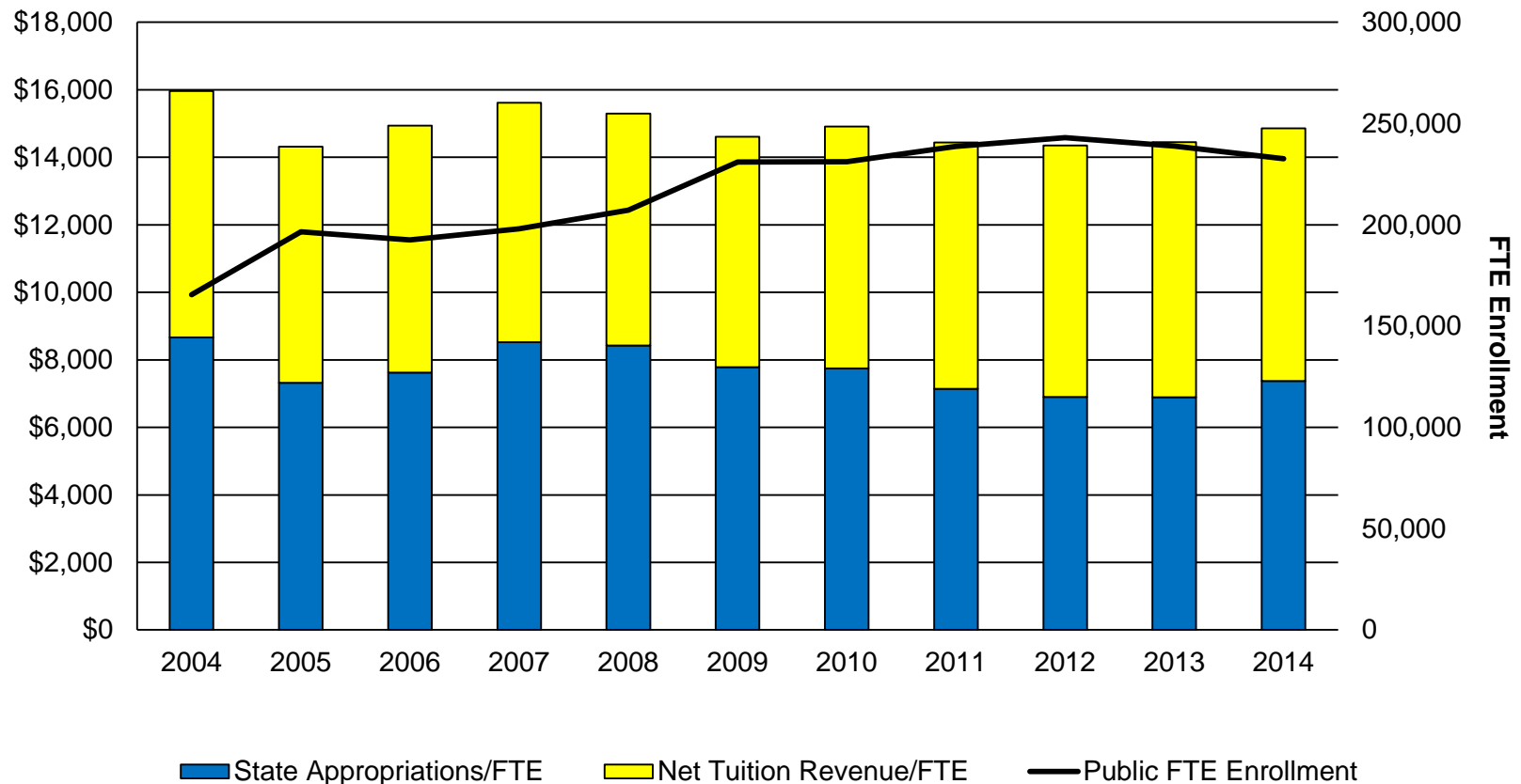
Fiscal 2002-2015



FTE: full-time equivalent

Source: Department of Legislative Services

Maryland Two- and Four-year Public FTE Enrollment, Net Tuition Revenue, and Educational Appropriations Per FTE

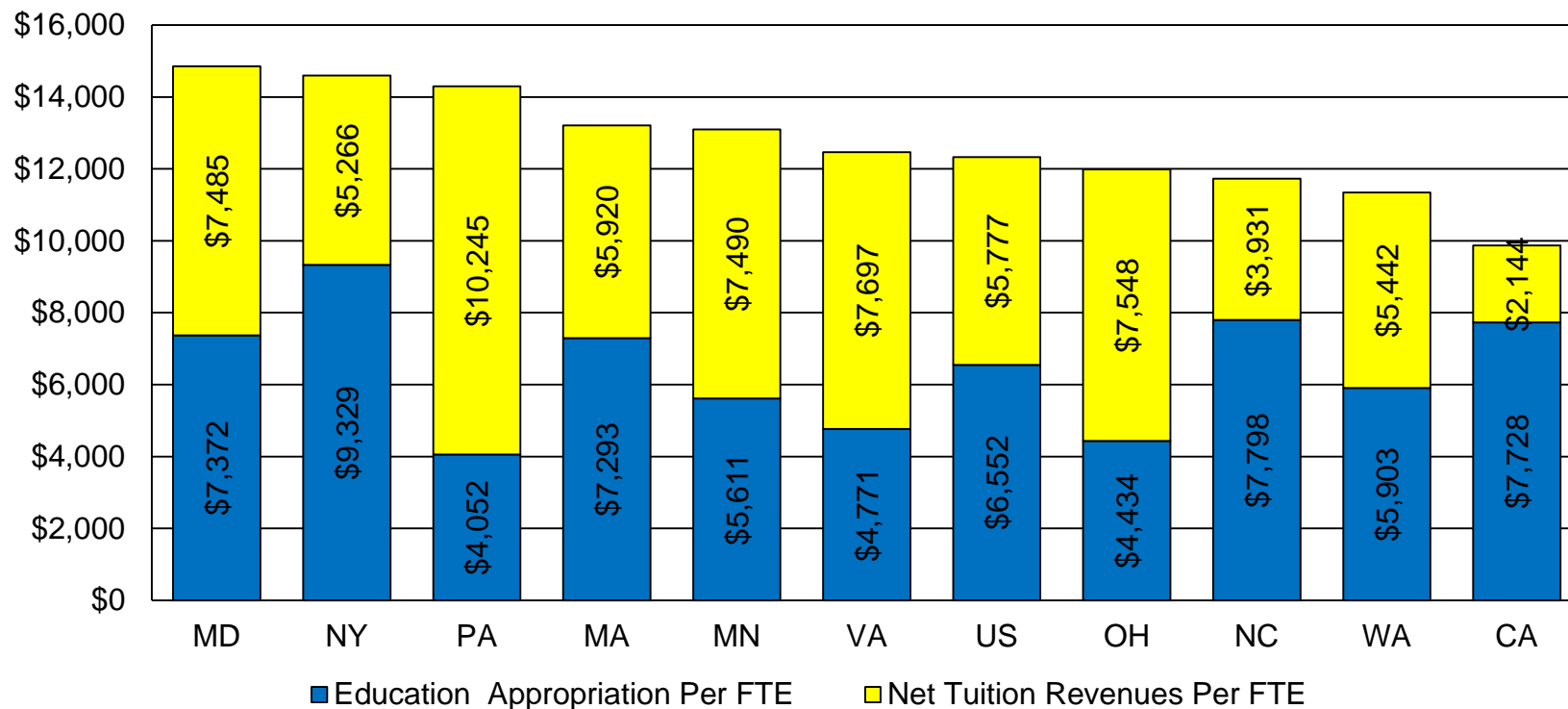


FTE: full-time equivalent

Source: State Higher Education Executive Officers Association

Education Appropriation and Tuition Revenues Per FTE Enrollment

Fiscal 2014

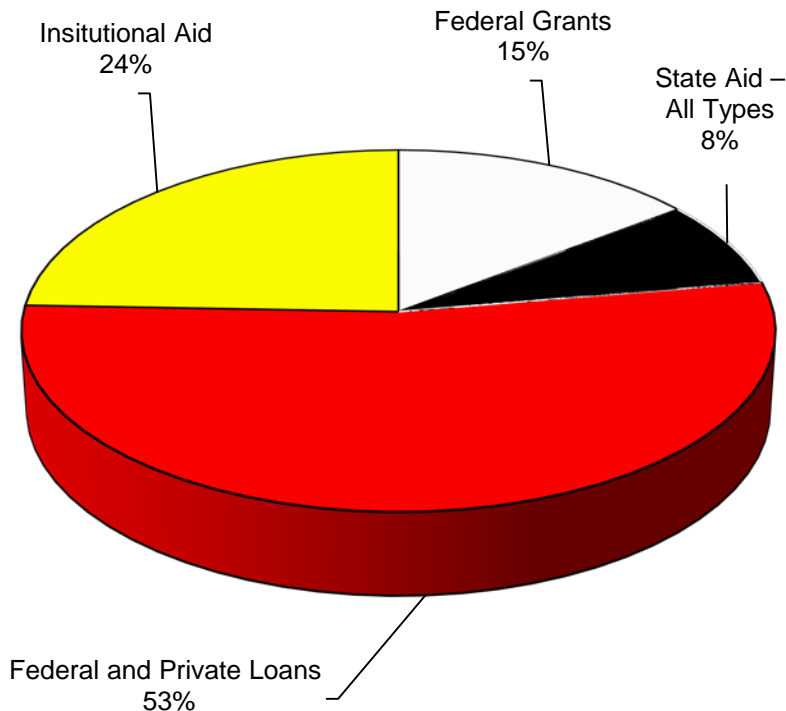


FTE: full-time equivalent

Source: State Higher Education Executive Officers Association *State Higher Education Finance: Fiscal 2014*

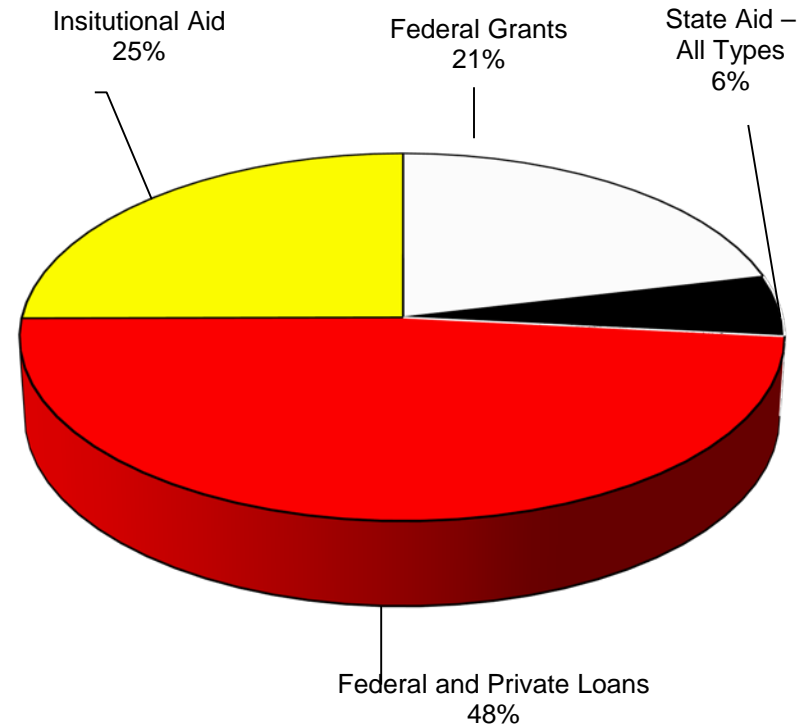
Student Financial Aid Sources in Maryland

Fiscal 2008



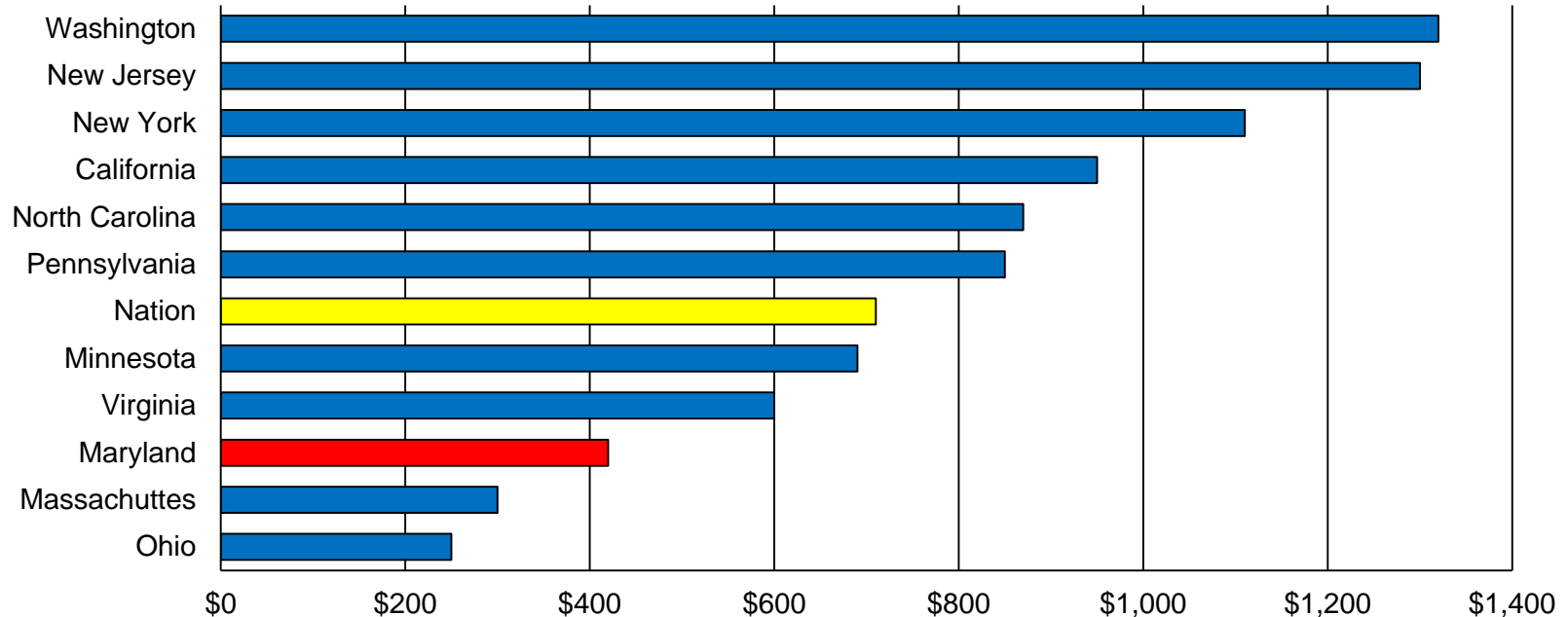
Total Aid: \$1.5 Billion

Fiscal 2014



Total Aid: \$2.1 Billion

State Grant Aid Per FTE Undergraduate Student by Competitor State



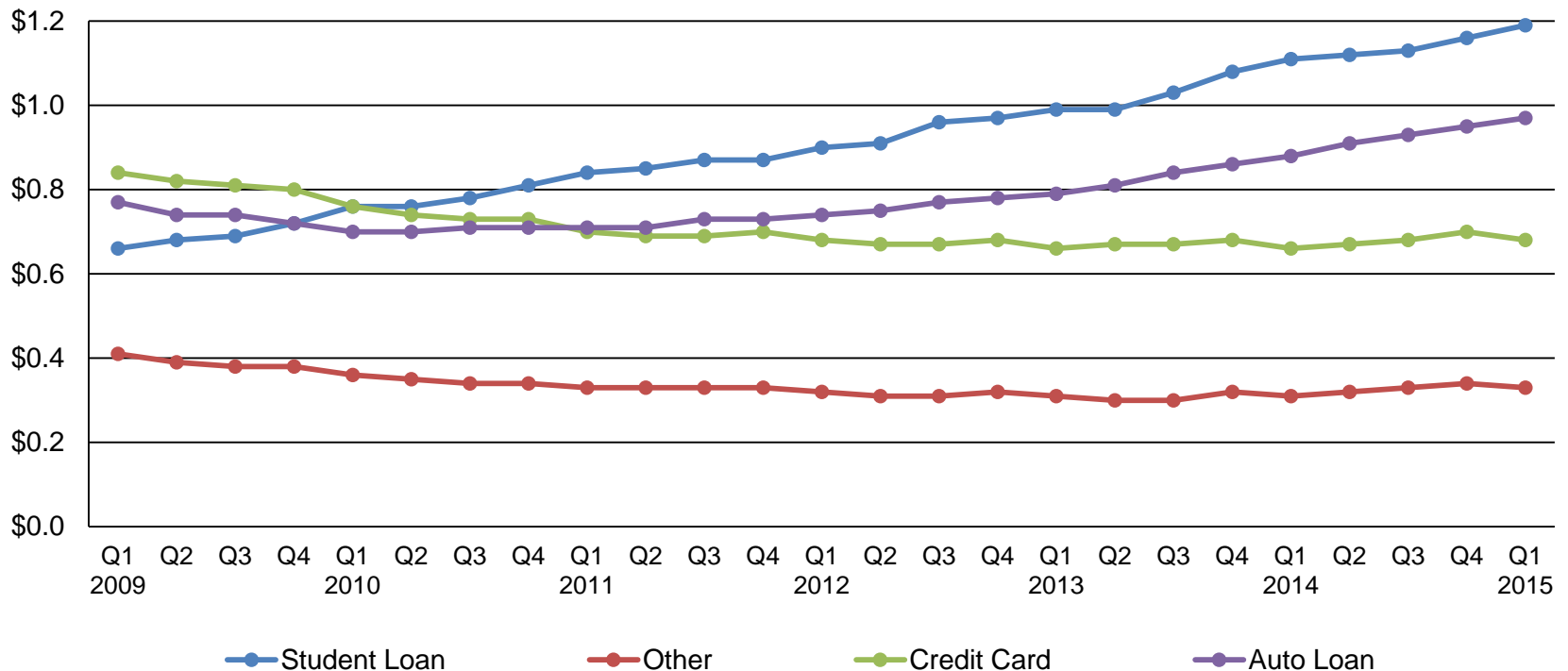
FTE: full-time equivalent

Note: FTE students include both state residents and out-of-state students who are not eligible for state grants. State grant aid per FTE student is influenced both by the generosity of state grant programs and by the variation across states in the percentage of students who are residents.

Source: Trends in Student Aid 2014 from NASSGAP Annual Survey, 2012-13, Table 2

Total Consumer Debt

Quarter 1 2009 – Quarter 1 2015
(\$ in Trillions)

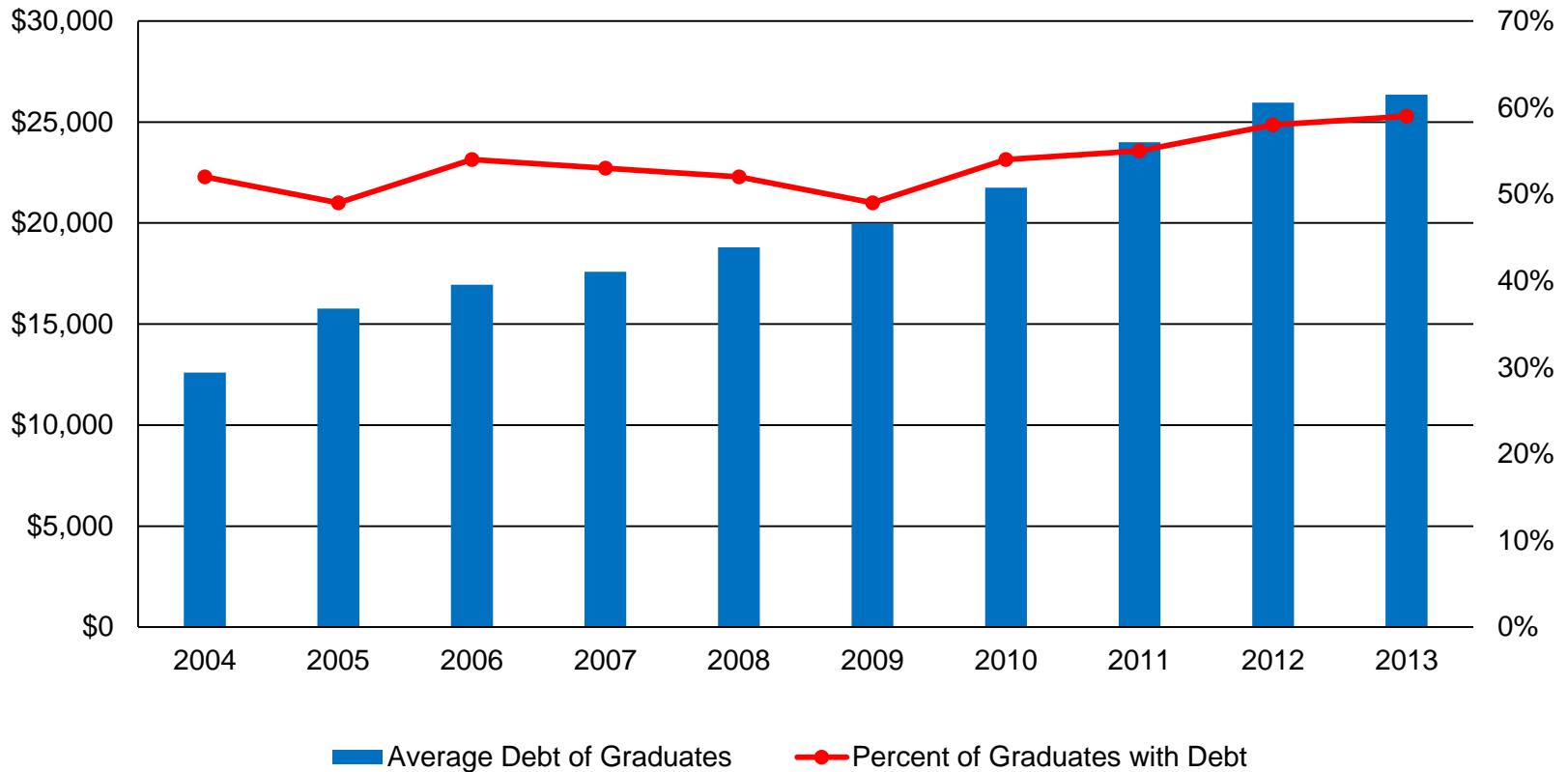


Note: Excludes mortgages and other forms of home equity debt.

Source: Federal Reserve Bank of New York

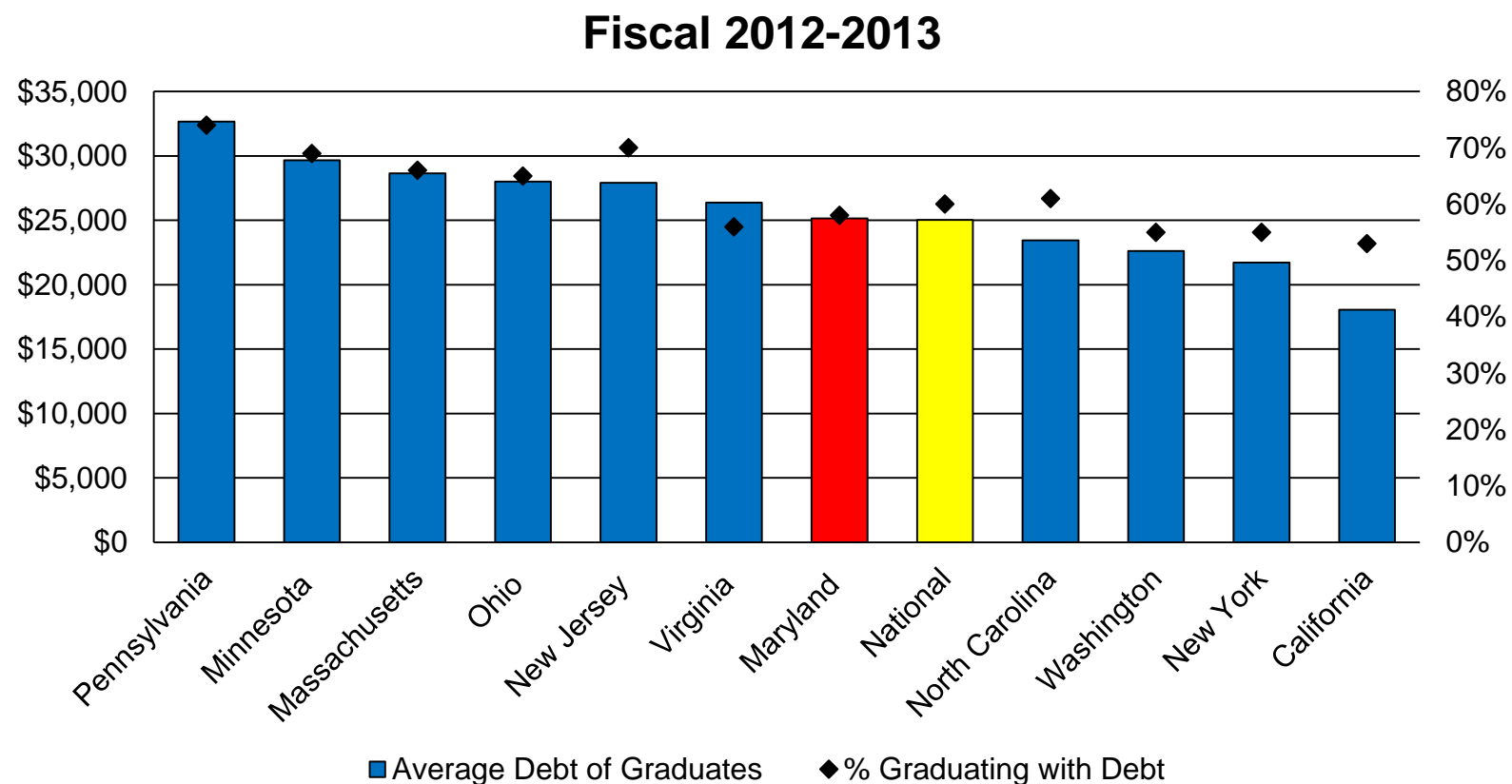
Average Debt of Maryland Students Completing an Undergraduate Degree

Fiscal 2004-2013



Source: College InSight; The Institute for College Access and Success

Average Debt and Percentage Graduating With Debt for Public Four-year Institutions



Source: College InSight

Average Indebtedness of University System of Maryland Freshmen

First-time, Full-time Degree Seeking Students Fall 2004 and 2007 Cohorts

<u>2004 Cohort</u>	<u>% with Loans</u>	<u>Total Loans</u>	<u>Average Loan</u>
Did Not Graduate	57.2%	\$43,651,227	\$16,680
Graduated within Six Years	52.1%	113,985,220	30,275
 <u>2007 Cohort</u>			
Did Not Graduate	56.3%	\$48,676,576	\$17,554
Graduated within Six Years	54.1%	146,607,078	34,023

Source: Financial Aid Data Update, University System of Maryland

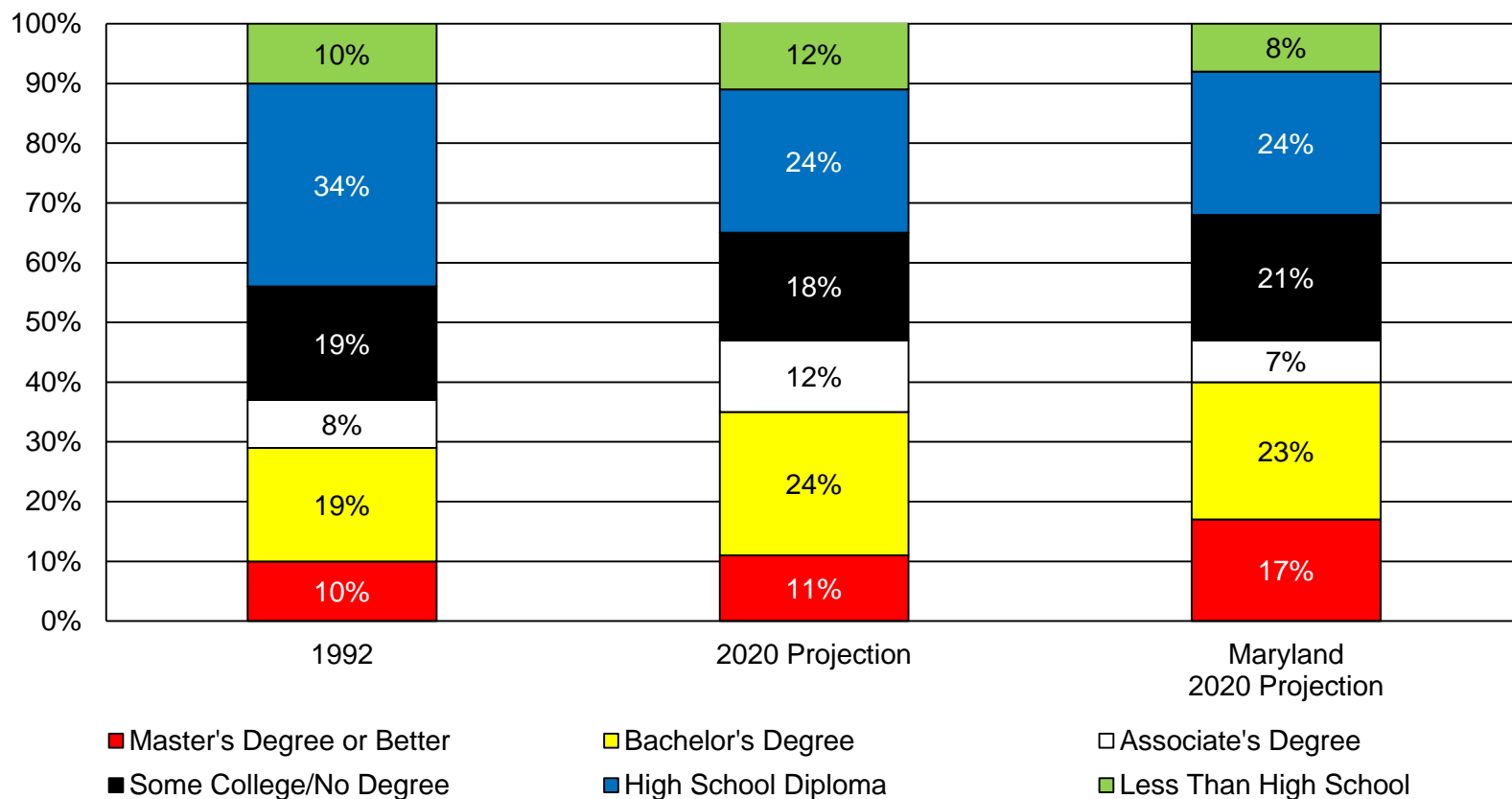
Income-driven Repayment Plans

- Only for federal student loans and may require loan consolidation
- Payments are based on ability to pay using a federal formula, usually 10% to 20% of discretionary income
- Example: Public Service Loan Forgiveness forgives loans after 10 years of public or nonprofit service
- Downsides: The multitude of repayment plans can be confusing, forgiveness is all or nothing, and forgiveness is treated as taxable income

Loan Assistance Repayment Programs (LARP)

- Grant money to make loan repayments after graduation
- 35 states have funded LARPs, including Virginia and Pennsylvania
- Maryland Programs total \$2.8 million in fiscal 2016
 - Maryland Loan Assistance Repayment Program for Physicians and Physicians Assistants
 - Maryland Dent-Care Program
 - Janet L. Hoffman Loan Assistance Repayment Program
 - Various professions such as law, teaching, and nursing

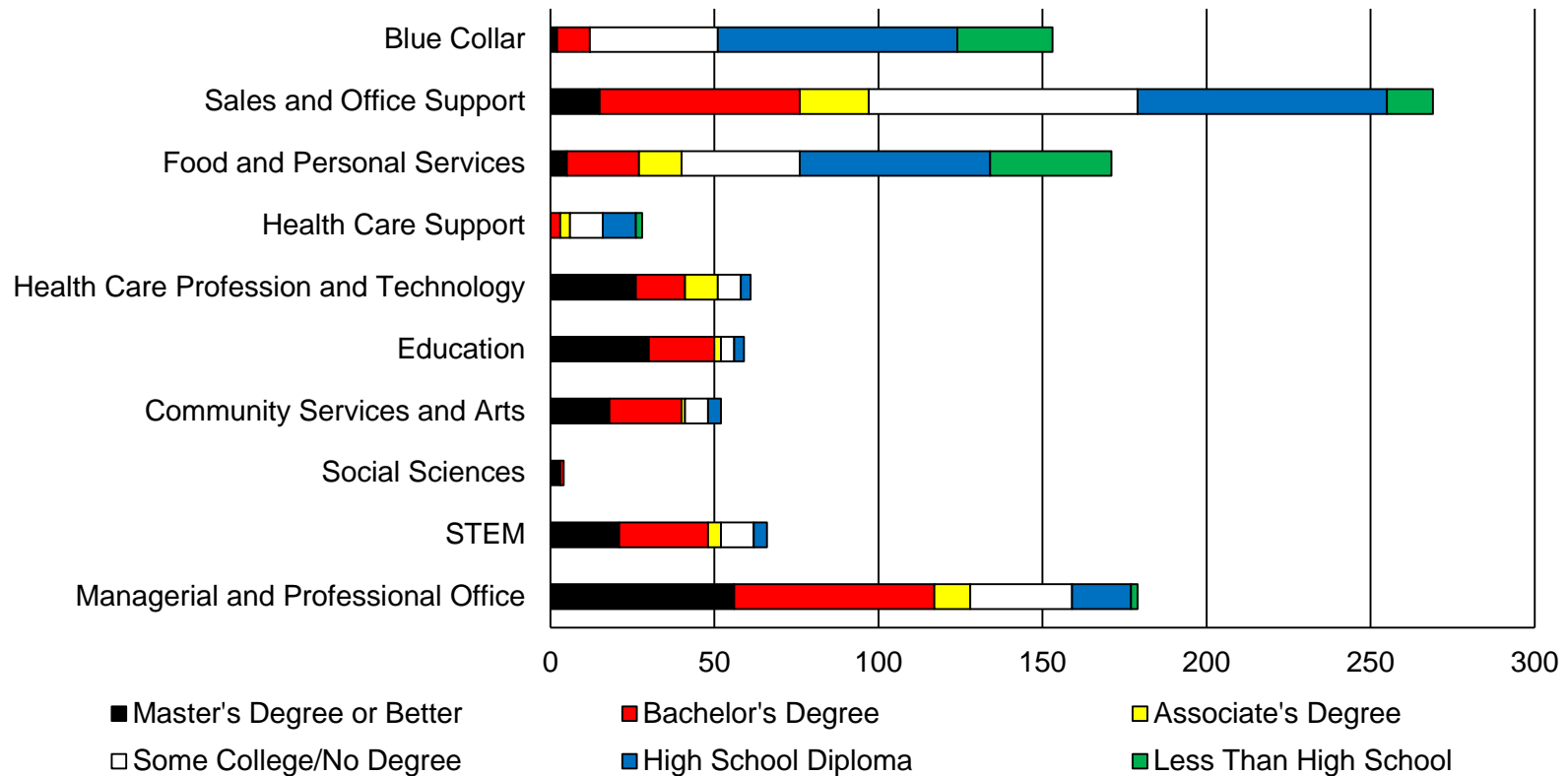
Growth of Educational Demand for All Jobs



Source: *Recovery: Projections of Jobs and Education Requirements Through 2020*; Center on Education and the Workforce

Maryland Job Openings by Occupation and Education Level by 2020

In Thousands

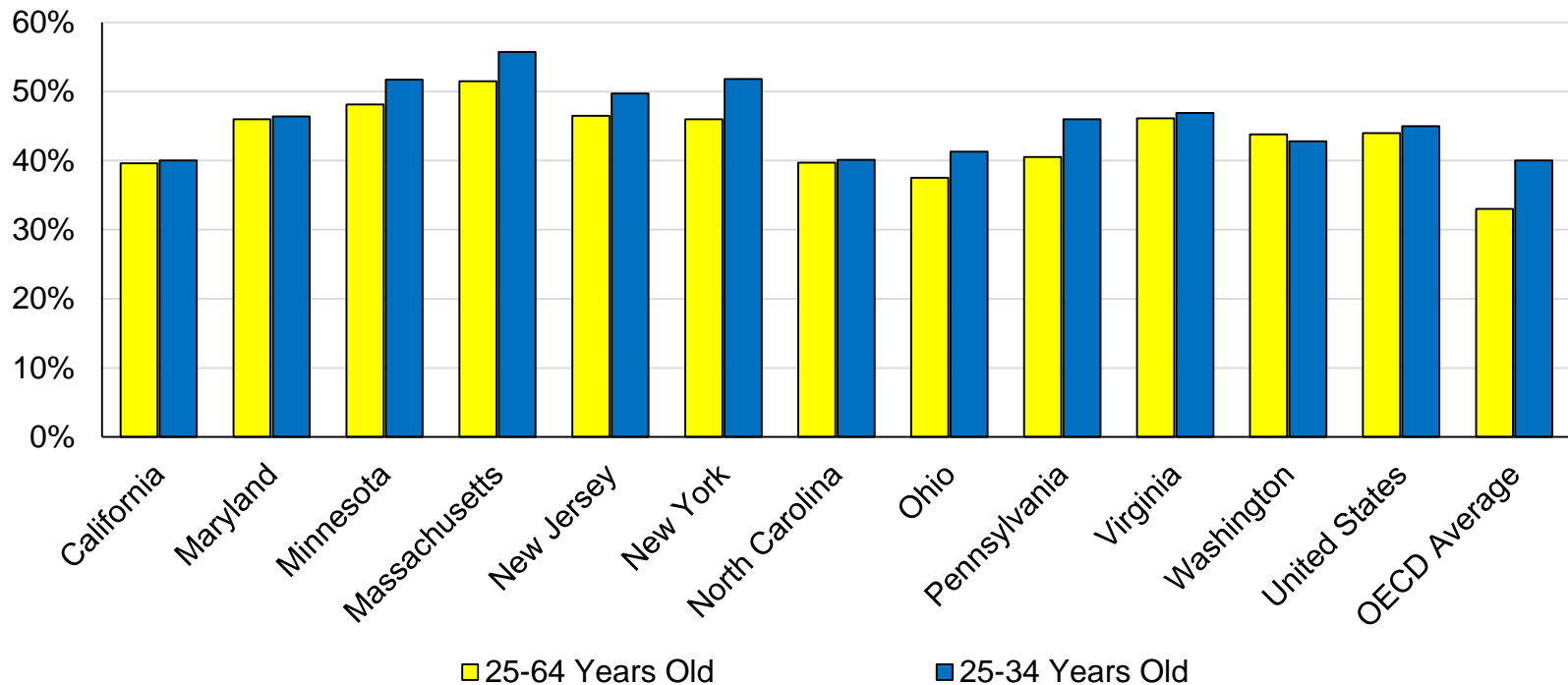


STEM: science, technology, engineering, and mathematics

Source: *Recovery: Projections of Jobs and Education Requirements Through 2020*; Center on Education and the Workforce

Percent of State's Working Age Population (25-64) with at Least an Associates Degree

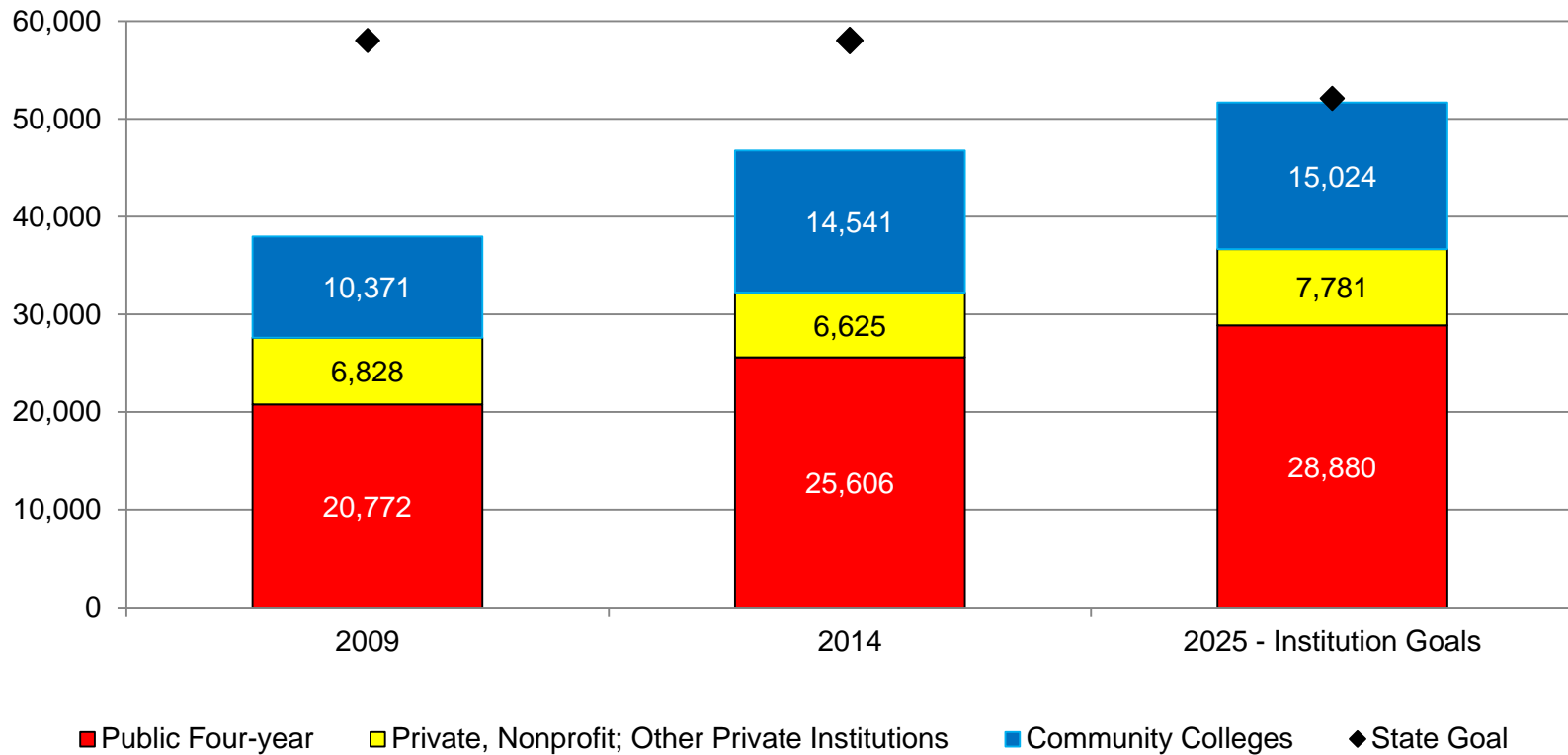
Calendar 2013



OECD: Organisation for Economic Cooperation and Development

Source: Lumina Foundation *A Stronger Nation Through Higher Education*

Progress Toward Maryland 55% Completion Goal – Annual Degrees Awarded

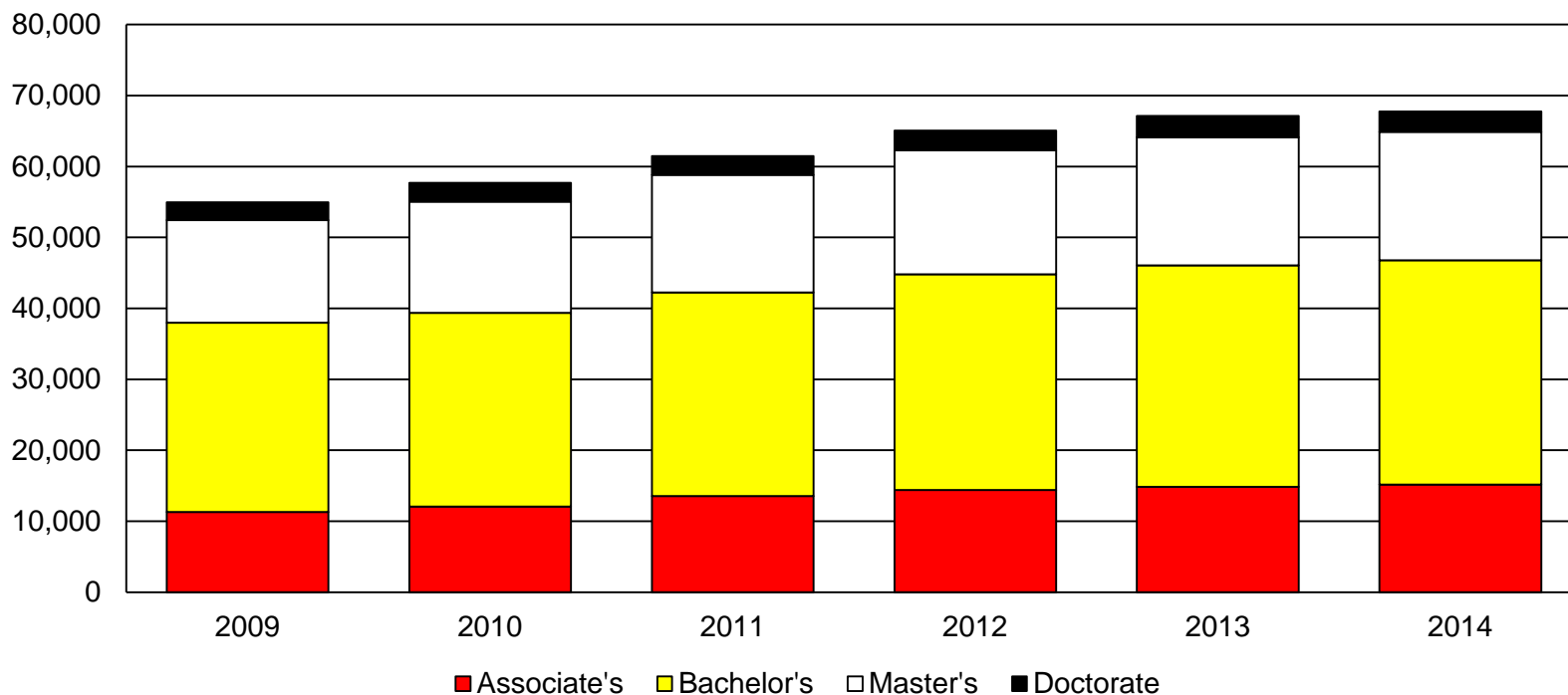


Note: Four-year institutions include Associates degrees awarded to active military by the University of Maryland University College.

Source: Maryland Higher Education Commission, Data Book 2010 and 2015

Total Degrees Awarded at Maryland Higher Education Institutions

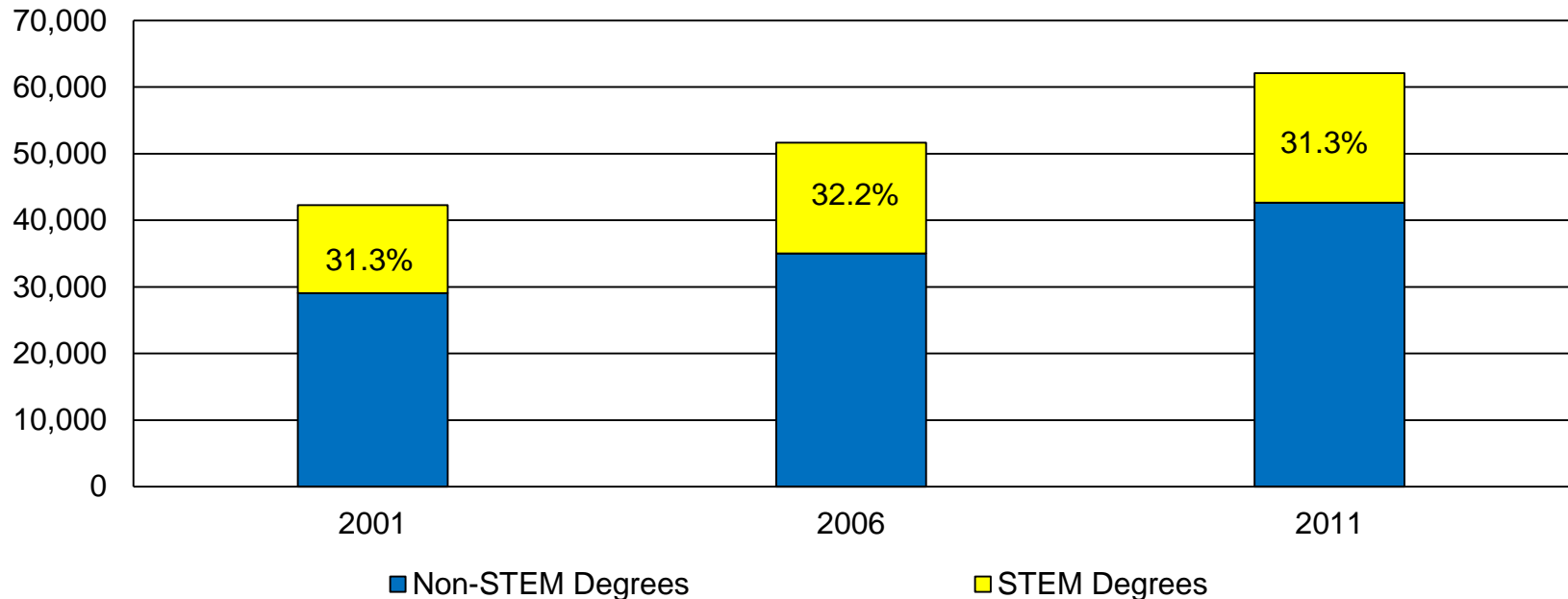
Fiscal 2009-2014



Source: Maryland Higher Education Commission

Total STEM Degrees Awarded Compared to All Degrees

Fiscal 2001, 2006, and 2011

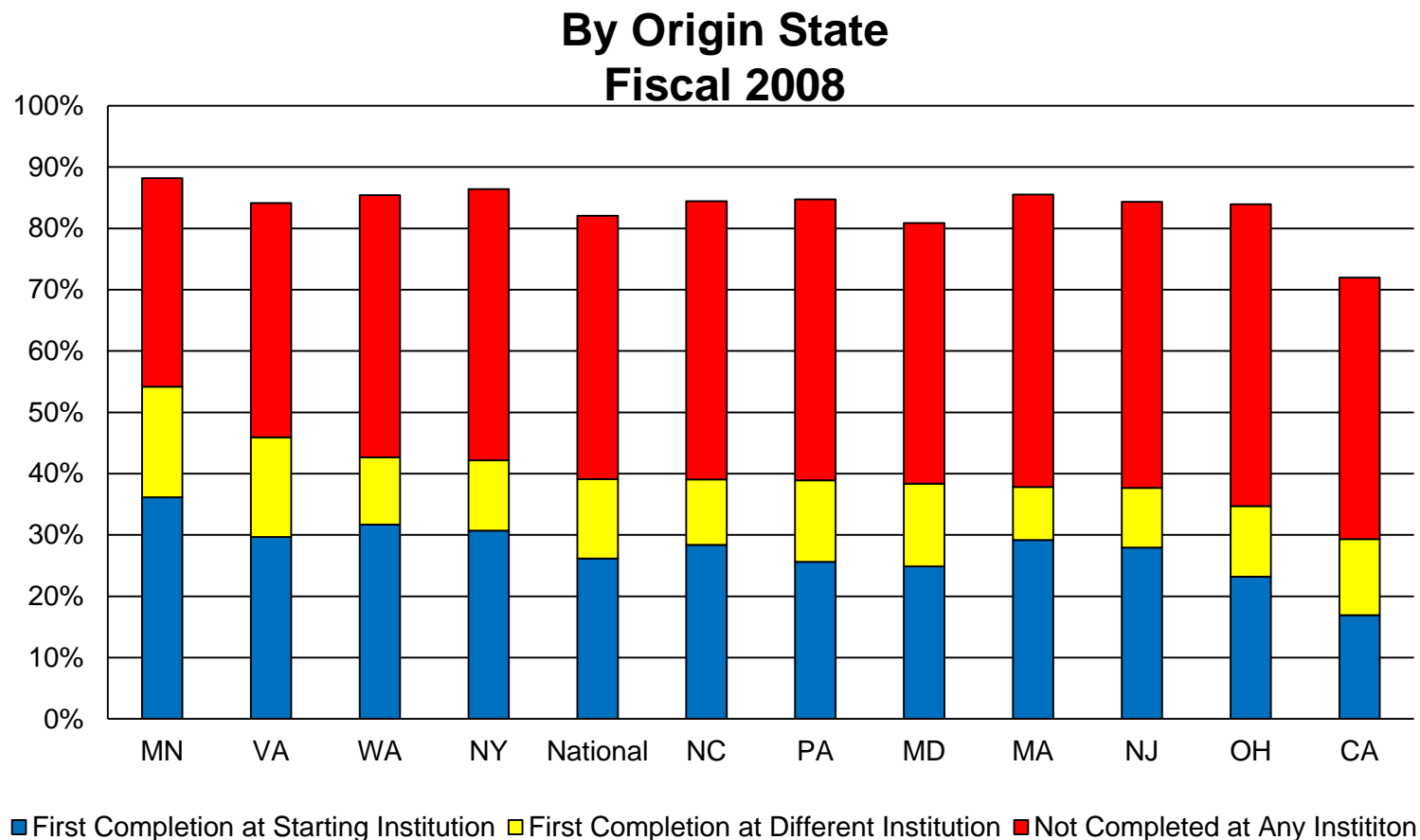


STEM: science, technology, engineering, and mathematics

Note: STEM degrees include associate's, bachelor's, master's, and doctorates. Degrees include physical, computer, agricultural, biological, earth, atmospheric, ocean, and social sciences; mathematics; and engineering.

Source: Science and Engineering Indicators, 2014; National Science Foundation

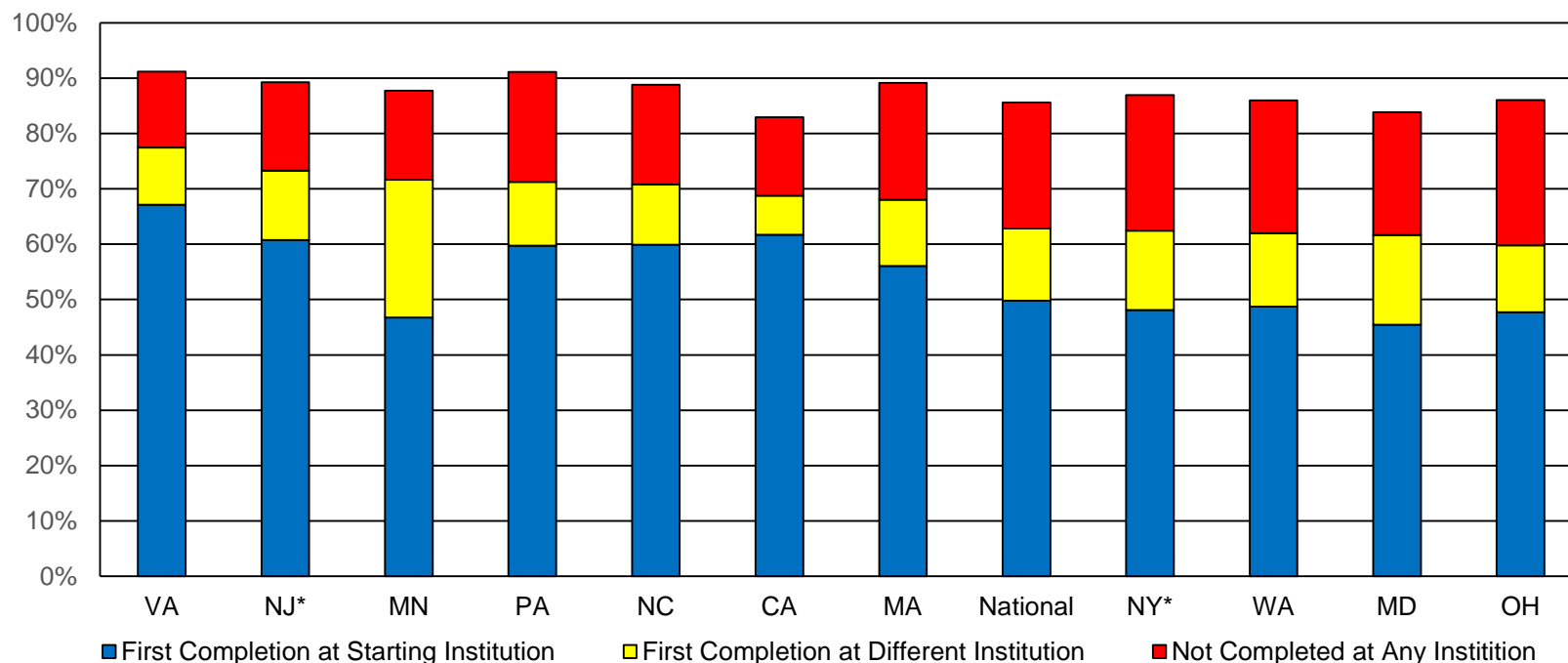
Six-year Completion Rate Across State Lines for Students Who Started at a Two-year Public Institution



Source: National Student Clearinghouse Research Center *Completing College, A State Level View of Student Attainment Rates*

Six-year Completion Rate Across State Lines for Students Who Started at a Four-year Public Institution

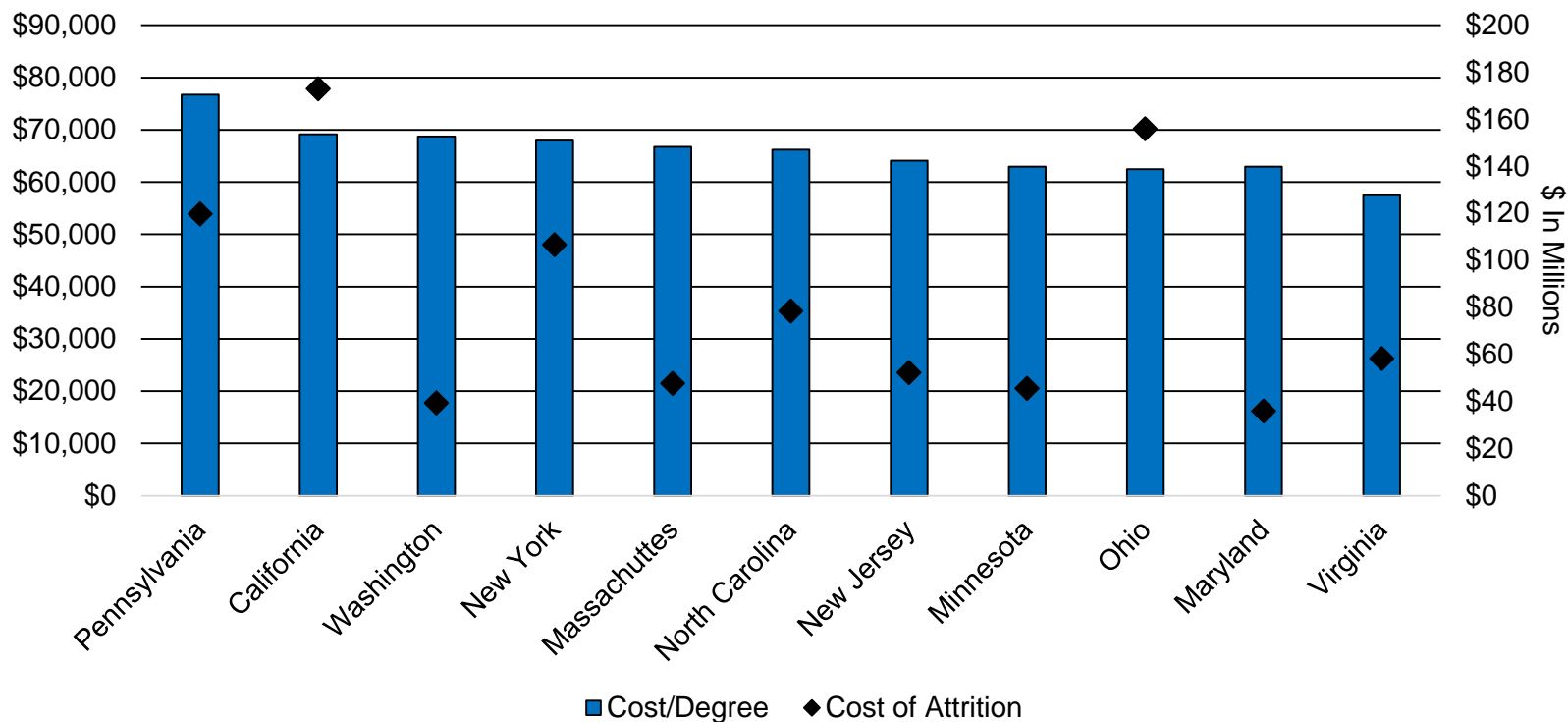
By Origin State Fiscal 2008



*States with a medium historical coverage between 80% to 89%.

Source: National Student Clearinghouse Research Center *Completing College, A State Level View of Student Attainment Rates*

Cost Per Degree and Cost of Attrition at Public Four-year Institutions Compared to Competitor States



Source: College Measures